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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/642,357      | 08/15/2003  | Moshe Gershenson     | AD-CUNO-101         | 1651             |

7590

02/02/2005

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| EXAMINER |
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PHAM, MINH CHAU THI

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| ART UNIT | PAPER NUMBER |
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1724

DATE MAILED: 02/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/642,357

Applicant(s)

GERSHENSON ET AL.

Examiner

Minh-Chau T. Pham

Art Unit

1724

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 November 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hancock (4,272,263).

Hancock discloses an inlet flange to be used in a filter system comprising a body (26) capable of being attached to the filter medium (14) and allowing fluids to enter the filter medium (14), a lip (see lip of item 26 in Fig. 2) located on the edges of the body to enable the body to be supported on a filter housing (16) and the lip comprising a first surface and second surface wherein the first surface being resting on the surface edge (16) of the housing while the second surface extending above the housing (see detail of item 26 in Fig. 2) (see col. 2, line 65 through col. 3, line 8, col. 3, lines 19-23). Hancock further discloses the flange (26) may be made of metal, a thermoplastic, hard rubber or similar material (see col. 3, lines 2-3) which is very well-known in the art as sealing material, therefore, the sealing material located at the first and second surfaces or sealing material being an integral part of the lip (which meet the requirements of claim 1 and claim 4). It would have been obvious to a person having ordinary skill in the art at the time the invention was made to provide a flange with sealing means as taught by Hancock in a filter system since the flange not only provides support for the filter element by also prevents air bypassing around the filter element.

***Response to Arguments***

Applicant's arguments filed on November 22, 2004 have been fully considered but they are not persuasive.

Applicant argues that none of the cited prior arts discloses "a lip is located on the edge of the body and comprises a first surface being capable of resting on the surface of edge of housing and second surface extending above the housing and the sealing material located on the first and second surfaces". The Examiner now drops both Jensen and Burmeister references and newly introduces Hancock as the primary reference to show an inlet flange to be used in a filter system comprising a body (26) capable of being attached to the filter medium (14) and allowing fluids to enter the filter medium (14), a lip (see lip of item 26 in Fig. 2) located on the edges of the body to enable the body to be supported on a filter housing (16) and the lip comprising a first surface and second surface wherein the first surface being resting on the surface edge (16) of the housing while the second surface extending above the housing (see detail of item 26 in Fig. 2) (see col. 2, line 65 through col. 3, line 8, col. 3, lines 19-23). Hancock further discloses the flange (26) may be made of metal, a thermoplastic, hard rubber or similar material (see col. 3, lines 2-3) which is very well-known in the art as sealing material, therefore, the sealing material located at the first and second surfaces or sealing material being an integral part of the lip (which meet the requirements of claim 1 and claim 4), as claimed. It would have been obvious to a person having ordinary skill in the art at the time the invention was made to provide a flange with sealing means as taught by Hancock in a filter system since the flange not only provides support for the filter element by also prevents air bypassing around the filter element.

Applicant's arguments with respect to claims 1-28 have been thoroughly considered but are moot in view of the new ground(s) of rejection as discussed above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh-Chau T. Pham whose telephone number is (571) 272-1163. The examiner can normally be reached on Mon/Tues/Thur/Fri 7:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on (571) 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**Minh-Chau Pham**  
**Patent Examiner**  
**Art Unit : 1724**  
**February 1, 2005**